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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1756	703/13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 16:36
L2	10	I1 and macromodel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 16:38
L3	30	(703/13 703/2 703/15 716/7 716/18 716/4 702/5 702/8 702/109 702/118 702/2) and macromodel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 16:39
L4	10	I3 and transmission	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 16:41
L5	0	marcmodel and (transmission same line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 16:41
L6	24	macromodel and (transmission same line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 16:41
L7	8	macromodel and lossy	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 16:41

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L8	26	macromodel and distortion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 16:41
S1	10	(transmission near2 line) same macromodel.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 16:36
S2	0	("2005/0222831").URPN.	USPAT	OR	OFF	2007/07/21 18:56

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[BOOK] AWESpice: a general tool for the accurate and efficient simulation of interconnect problems - all 3 versions »

V Raghavan, JE Bracken, RA Rohrer - 1992 - IEEE Computer Society Press Los Alamitos, CA, USA

... model stencils. (Q +all ... SPICE3C1 simulation took 418.2 CPU-sec. The time required

to create the AWE macromodel for the interconnect circuit was 0.7 CPU-sec. ...

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PRIMA: passive reduced-order interconnect macromodeling algorithm - all 20 versions »

A Odabasioglu, M Celik, LT Pileggi - Proceedings of the 1997 IEEE/ACM international conference on ..., 1997 - portal.acm.org

... a path tracing algorithm is used to calculate the reduced order macromodel with the ... macromodels are imperative [1][2][3][4]. Ideally, a simulator would isolate ...

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Simulation of multiconductor transmission lines using Krylovsubspace order-reduction techniques - all 2 versions »

M Celik, AC Cangellaris - Computer-Aided Design of Integrated Circuits and Systems, ..., 1997 - ieeexplore.ieee.org

... Then the macromodel and the remaining nonlinear ... for the efficient simulation of large linear ... circuits with lossy multiconductor transmission lines using the ...

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... the validity and efficiency of the proposed macromodel. ... are compared with SPICE simulation and/or "exact" analysis of the transmission-line equation. ...

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Interconnect simulation with asymptotic waveform evaluation (AWE) - all 3 versions »

JE Bracken, V Raghavan, RA Rohrer - Circuits and Systems I: Fundamental Theory and Applications, ..., 1992 - ieeexplore.ieee.org

... to form another type of macromodel for systems ... general nonlinearities in a time domain simulation. ... systems of coupled, lossy transmission lines is described. ...

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An efficient methodology for extraction and simulation of transmission lines for application ... - all 2 versions »

SY Kim, E Tuncer, R Gupta, B Krauter, T Savarino, ... - Proceedings of the 1993 IEEE/ACM international conference on ..., 1993 - portal.acm.org

... model for a given portion of a net ... erated macromodel are also discussed ... 4 demonstrate


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M Celik, AC Cangellaris - Computer-Aided Design of Integrated Circuits and Systems, ..., 1997 - ieeexplore.ieee.org

... Then the **macromodel** and the remaining nonlinear circuitry are ... of interest in the **simulation** is 10 ... 260 segments for the approximation of the **transmission line**. ...

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Time-domain macromodels for VLSI interconnect analysis - all 2 versions »

SY Kim, N Gopal, LT Pillage - Computer-Aided Design of Integrated Circuits and Systems, ..., 1994 - ieeexplore.ieee.org

... distributed equations of the **transmission line** are incorporated ... This **macromodel** is directly stenciled into the ... using conventional circuit **simulation** techniques ...

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An all-purpose transmission-line model for interconnect simulationin SPICE - all 3 versions »

M Celik, AC Cangellaris, A Yaghmour - Microwave Theory and Techniques, IEEE Transactions on, 1997 - ieeexplore.ieee.org

... maximum frequency of interest in the **simulation** is 10 ... Hence, the line has an electrical length of ... 260 segments for the approximation of the **transmission line**. ...

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Delay extraction and passive macromodeling of lossy coupled transmission lines

A Dounavis, N Nakhla, R Achar, M Nakhla - Electrical Performance of Electronic Packaging, 2003, 2003 - ieeexplore.ieee.org

... analysis of a non-passive **macromodel** with ... delay portion) leading to inefficient transient **simulation**. ... for passive macromodeling of **transmission line** subnetworks ...

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A CAD framework for simulation and optimization of high-speed VLSIinterconnections - all 3 versions »

R Griffith, E Chiprout, Q Zhang, M Nakhla - Circuits and Systems I: Fundamental Theory and Applications, ..., 1992 - ieeexplore.ieee.org

... lar system with different **simulation**, and optimization ... matching approach expanding a **transmission line** transfer functions ... is used to form a **macro- model** of the ...

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